DATE IN	SUSPENSE	ENGINEER	LOGGED	TYPE
3/20/98	4/9/98	DC	MV	DHC

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1899

ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

Application Acronyms:

[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]
[DD-Directional Drilling] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

RECEIVED
MAR 20 1998
OIL CONSERVATION DIVISION

[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Directional Drilling
☐ NSL ☐ NSP ☐ DD ☐ SD

Check One Only for [B] and [C]

[B] Commingling - Storage - Measurement
☒ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or ☐ Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☒ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☒ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

[3] **INFORMATION / DATA SUBMITTED IS COMPLETE** - Statement of Understanding

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

Peggy Bradfield	Peggy Bradfield	Regulatory/Compliance Administrator	
Print or Type Name	Signature	Title	Date

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980
DISTRICT II
811 South First St., Artesia, NM 88210-2835
DISTRICT III
1000 Rio Brazos Rd, Aztec, NM 87410-1693

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 S. Pacheco
Santa Fe, New Mexico 87505-6429

APPLICATION FOR DOWNHOLE COMMINGLING

Form C-107-A
New 3-12-96

APPROVAL PROCESS :
_X_ Administrative
___Hearing

EXISTING WELLBORE
X__ YES ___ NO

Burlington Resources Oil and Gas — Operator — **PO Box 4289, Farmington, NM 87499** — Address

Lease	Well No.	Unit Ltr. - Sec - Twp - Rge	County
Quinn	#6-A	P-20-31N-08W	San Juan

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. __14538_ Property Code ____7407 API NO. _30-045-23077 Federal ___X __ , State _____, Fee _____

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	Mesa Verde – 72319		Dakota - 71599
2. Top and Bottom of Pay Section (Perforations)	5357'-5981'		7907'-8017'
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated or Measured Original	(Current) a. 326 psi (see attachment)		a. 648 psi (see attachment)
	(Original) b. 654 psi (see attachment)		b. 2371 psi (see attachment)
6. Oil Gravity (°API) or Gas BTU Content	BTU 1069		BTU 970
7. Producing or Shut-In?	Producing		Producing
Production Marginal? (yes or no)	Yes		Yes
* If Shut-In and oil/gas/water rates of last production Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data	Date: N/A Rates:		Date: N/A Rates:
* If Producing, give data and oil/gas/water water of recent test (within 60 days)	Date: 3/98 Rates: 193 mcfd 0.0 bopd		Date: 3/98 Rates: 11 mcfd 0.0 bopd
8. Fixed Percentage Allocation Formula -% for each zone (total of %'s to equal 100%)	Will be supplied upon completion.		Will be supplied upon completion.

9. If allocation formula is based upon something other than current or past production, or is based upon some other method, submit attachments with supporting data and/or explaining method and providing rate projections or other required data.

10. Are all working, overriding, and royalty interests identical in all commingled zones? _X_Yes __No
If not, have all working, overriding, and royalty interests been notified by certified mail? __Yes __No
Have all offset operators been given written notice of the proposed downhole commingling? _X_Yes __No

11. Will cross-flow occur? _X_ Yes ___ No If yes, are fluids compatible, will the formations not be damaged, will any cross-flowed production be recovered, and will the allocation formula be reliable. _X__ Yes _____No (If No, attach explanation)

12. Are all produced fluids from all commingled zones compatible with each other? _X_ Yes ___ No

13. Will the value of production be decreased by commingling? ___ Yes _X_ No (If Yes, attach explanation)

14. If this well is on, or communitized with, state or federal lands, either the Commissioner of Public Lands or the United States Bureau of Land Management has been notified in writing of this application. _X__Yes ___ No

15. NMOCD Reference Cases for Rule 303(D) Exceptions: ORDER NO(S). _____

16. ATTACHMENTS:
* C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
* Production curve for each zone for at least one year. (If not available, attach explanation.)
* For zones with no production history, estimated production rates and supporting data.
* Data to support allocation method or formula.
* Notification list of all offset operators.
* Notification list of working, overriding, and royalty interests for uncommon interest cases.
* Any additional statements, data, or documents required to support commingling.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Mary Ellen Lutey TITLE Production Engineer DATE 3/19/98

TYPE OR PRINT NAME Mary Ellen Lutey TELEPHONE NO. (_505_) __326-9700____

NEW MEXICO OIL CONSERVATION COMMISSION

WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

Operator	Lease	Well No.
SUPRON ENERGY CORPORATION	QUINN	6-A

Unit Letter	Section	Township	Range	County
P	20	31 North	8 West	San Juan

Actual Footage Location of Well:
990 feet from the South line and 990 feet from the East line

Ground Level Elev:	Producing Formation	Pool	Dedicated Acreage:
6579	Mesaverde	Blanco	E 1/2 320 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

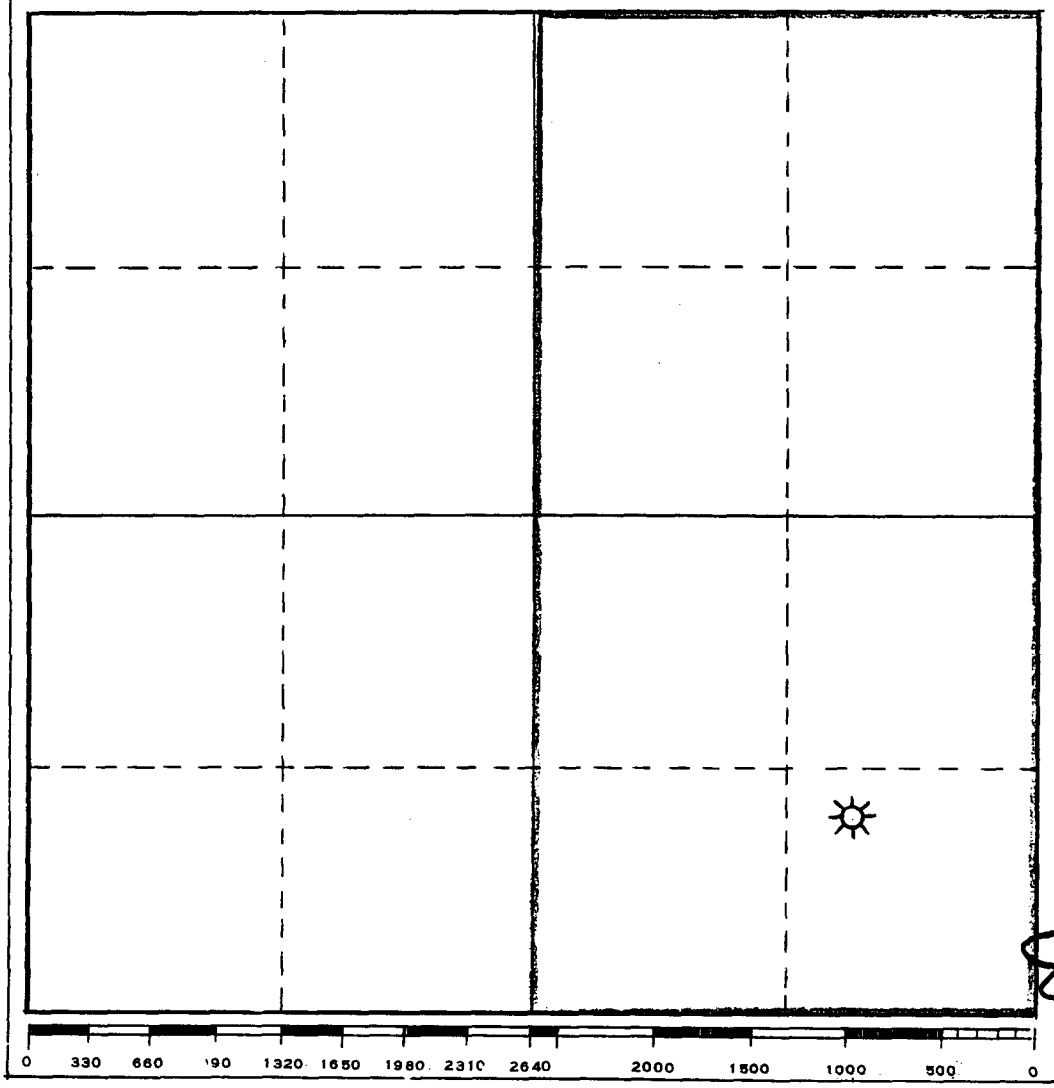
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Rudy D. Motto

Name: Rudy D. Motto

Position: Area Superintendent

Company: SUPRON ENERGY CORPORATION

Date: January 25, 1979

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR STATE OF NEW MEXICO JAMES P. LEESE

Date Surveyed: April 6, 1978

Registered Professional Engineer and/or Land Surveyor

James P. Leese

Certificate No. 1463

NEW MEXICO OIL CONSERVATION COMMISSION

WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section

Operator	Lease	Well No
SUPRON ENERGY CORPORATION	QUINN	9

Unit Letter	Section	Township	Range	County
P	20	31 NORTH	8 WEST	SAN JUAN

Actual Footage Location of Well:
990 feet from the SOUTH line and 990 feet from the EAST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Avereage:
6579	Dakota	Basin Dakota	E 1/2 320 Acres

1. Outline the acerage dedicated to the subject well by colored pencil or hachure marks on the plat below.

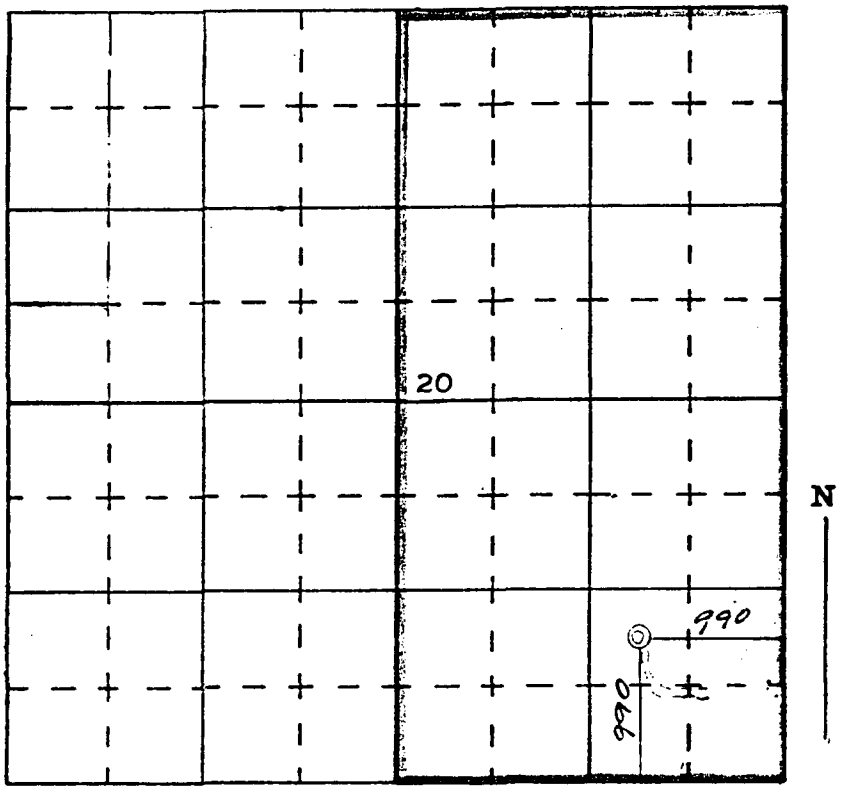
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty),

3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc?

( ) Yes ( ) No If answer is "yes," type of consolidation .....

If answer is "no," list the owners and tract descriptions which have actually consolidated. (Use reverse side of this form if necessary.) .....

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non standard unit, eliminating such interests, has been approved by the Commission.



SCALE—4 INCHES EQUALS 1 MILE

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name Rudy D. Motto

Position Area Superintendent

Company Supron Energy Corporation

Date May 16, 1978

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed 6 April 1978

Registered Professional Engineer and/or Land Surveyor James P. Leese

Certificate No. 1463

QUINN = 6A = 32273B-1
Prop 145 *
DAILY GAS
SIWHP
FWHP
GAS Mcf/d
OIL Bbl/d
OIL/GAS
WATER Bbls/d
Rate Time
Semi Log
Major = GAS
GAS
OIL
OIL/GAS
WATER
88 82 84 86 88 90 92 94 96 98 00 02 04 06 08 10 12 14 16 18 20 22 24 26 28

QUINN : GA : 32273A-1
Prop 144 *
GAS Mcf/d
OIL Bbl/d
OIL/GAS
WATER Bbls/d
Rate Time
Semi Log
DAILY GAS
SIWHP
FWHP
Major = GAS
GAS
OIL
OIL/GAS
WATER
10000
1000
100
10
1
0.1
0.01
0.001
0.0001
0 2 4 6 8 10 12 14 16 18 20 22 24 26 28
80 82 84 86 88 90 92 94 96 98 00 02 04 06 08 10 12 14 16

FARMINGTON 1998 MONTHLY PRODUCTION FOR 32273B PHS030M1
QUINN 6A
BLANCO MESAVERDE (PRORATED GAS FIELD MESAVERDE ZONE

			DAYS	OIL			GAS						
MO	T	S	ON	PC	PROD	GRV	PC	PROD	ON	BTU	PRESS	WATER PROD	C
1	2	F	31	02			01	5972	31	1069	15.025		
2								÷ 31					
3								193					
4													
5													
6													
7													
8													
9													
10													
11													
12													

PF6 - RETURNS TO ANNUAL DISPLAY PF3 - TRANSFER TO UPDATE
PF10 - HELP INFORMATION PF9 - DISPLAY MONTHLY INJECTION
00/00/00 00:00:00:0 PRS 03/04/98

FARMINGTON 1998 MONTHLY PRODUCTION FOR 32273A PHS030M1
QUINN 6A
BASIN DAKOTA (PRORATED GAS) FIELD DAKOTA ZONE

			DAYS	OIL			GAS						
MO	T	S	ON	PC	PROD	GRV	PC	PROD	ON	BTU	PRESS	WATER PROD	C
1	2	F					01	330	31	970	15.025		
2								÷51					
3								11					
4													
5													
6													
7													
8													
9													
10													
11													
12													

PF6 - RETURNS TO ANNUAL DISPLAY PF3 - TRANSFER TO UPDATE
PF10 - HELP INFORMATION PF9 - DISPLAY MONTHLY INJECTION
00/00/00 00:00:00:0 PRS 03/04/98

MV

Page No.: 13
Print Time: Thu Jun 26 08:09:49 1997
Property ID: 3561
Property Name: QUINN | 6A | 32273B-1
Table Name: K:\ARIES\RR98PDP\TEST.DBF

--DATE--	--CUM_OIL- Bbl	---CUM_GAS-- Mcf	M_SIWHP Psi
03/15/79		0	574.0
09/08/79		17698	449.0
04/08/80		75506	373.0
04/24/81		152532	350.0
06/24/82		255243	374.0
05/22/84		330552	354.0
04/01/86		401276	394.0
03/20/89		515151	441.0
02/18/91		612215	412.0
04/05/91		610179	424.0
06/03/93		727658	288.0

FLOWING AND STATIC BHP
CULLENDER AND SMITH METHOD
VERSION 1.0 3/13/94

GAS GRAVITY	**0.63**
COND. OR MISC. (C/M)	**C**
%N2	**0.33**
%CO2	**1.45**
%H2S	**0**
DIAMETER (IN)	**1.8**
DEPTH (FT)	**5764**
SURFACE TEMPERATURE (DEG F)	**60**
BOTTOMHOLE TEMPERATURE (DEG F)	**155**
FLOWRATE (MCFPD)	**0**
SURFACE PRESSURE (PSIA)	**574**
BOTTOMHOLE PRESSURE (PSIA)	654.0

QUINN #6A MESA VERDE - (ORIGINAL)

FLOWING AND STATIC BHP
CULLENDER AND SMITH METHOD
VERSION 1.0 3/13/94

GAS GRAVITY	**0.63**
COND. OR MISC. (C/M)	**C**
%N2	**0.33**
%CO2	**1.45**
%H2S	**0**
DIAMETER (IN)	**4.8**
DEPTH (FT)	**5764**
SURFACE TEMPERATURE (DEG F)	**60**
BOTTOMHOLE TEMPERATURE (DEG F)	**155**
FLOWRATE (MCFPD)	**0**
SURFACE PRESSURE (PSIA)	**288**
BOTTOMHOLE PRESSURE (PSIA)	326.4

QUINN #6A MESA VERDE - (CURRENT)

Organize Data ScreenGraph Economics Report Plot Utility Quit
Editing: QUINN | 6A | 32273A-1 Property No.: 11
Table(T): TEST/M,P,H,T,Z,C,A,O,D,1,2,3,B,U,S Rec: 1/7/116
Item: 2/5/33 Name: DATE Type: Date Len: 8/44/203

--DATE--	--CUM_OIL- Bbl	---CUM_GAS-- Mcf	M_SIWHP Psi	M_SIBHP Psi
03/08/79		0	2100.0	0.0
09/08/79		15401	1242.0	0.0
04/08/80		37785	914.0	0.0
04/24/81		55807	797.0	0.0
04/02/82		69424	684.0	0.0
06/15/83		73537	665.0	0.0
04/02/85		85445	659.0	0.0

1985 Pressure: 659
Pressure Drop/yr: 6 psi/yr
Years: 13 years
Pressur Drop: 78 psi
Estimated '98 pressure = 659
- 78
581 psi.

F1=Help F3=PrvProp F5=PrvTbl F7=InsRcd F9=Utils Alt+TableLtr=Change Table
F2=Jump F4=NxtProp F6=NxtTbl F8=DelRcd F10=Exit Ctrl+Home/End=Top/Bottom

Organize Data ScreenGraph Economics Report Plot Utility Quit
Editing: QUINN | 6A | 32273A-1 Property No.: 11
Table(T): TEST/M,P,H,T,Z,C,A,O,D,1,2,3,B,U,S Rec: 1/7/116
Item: 2/5/33 Name: DATE Type: Date Len: 8/44/203

--DATE--	--CUM_OIL- Bbl	---CUM_GAS-- Mcf	M_SIWHP Psi	M_SIBHP Psi
03/08/79		0	2100.0	0.0
09/08/79		15401	1242.0	0.0
04/08/80		37785	914.0	0.0
04/24/81		55807	797.0	0.0
04/02/82		69424	684.0	0.0
06/15/83		73537	665.0	0.0
04/02/85		85445	659.0	0.0

F1=Help F3=PrvProp F5=PrvTbl F7=InsRcd F9=Utils Alt+TableLtr=Change Table
F2=Jump F4=NxtProp F6=NxtTbl F8=DelRcd F10=Exit Ctrl+Home/End=Top/Bottom

FLOWING AND STATIC BHP
CULLENDER AND SMITH METHOD
VERSION 1.0 3/13/94

GAS GRAVITY	**0.59**
COND. OR MISC. (C/M)	**C**
%N2	**0.34**
%CO2	**3.21**
%H2S	**0**
DIAMETER (IN)	**1.9**
DEPTH (FT)	**5378**
SURFACE TEMPERATURE (DEG F)	**60**
BOTTOMHOLE TEMPERATURE (DEG F)	**185**
	0
SURFACE PRESSURE (PSIA)	**2100**
BOTTOMHOLE PRESSURE (PSIA)	2370.6

QUINN #6A DAKOTA - (ORIGINAL)

FLOWING AND STATIC BHP
CULLENDER AND SMITH METHOD
VERSION 1.0 3/13/94

GAS GRAVITY	**0.59**
COND. OR MISC. (C/M)	**C**
%N2	**0.34**
%CO2	**3.21**
%H2S	**0**
DIAMETER (IN)	**1.9**
DEPTH (FT)	**5378**
SURFACE TEMPERATURE (DEG F)	**60**
BOTTOMHOLE TEMPERATURE (DEG F)	**185**
FLOWRATE (MCFPD)	**0**
SURFACE PRESSURE (PSIA)	**581**
BOTTOMHOLE PRESSURE (PSIA)	648.1

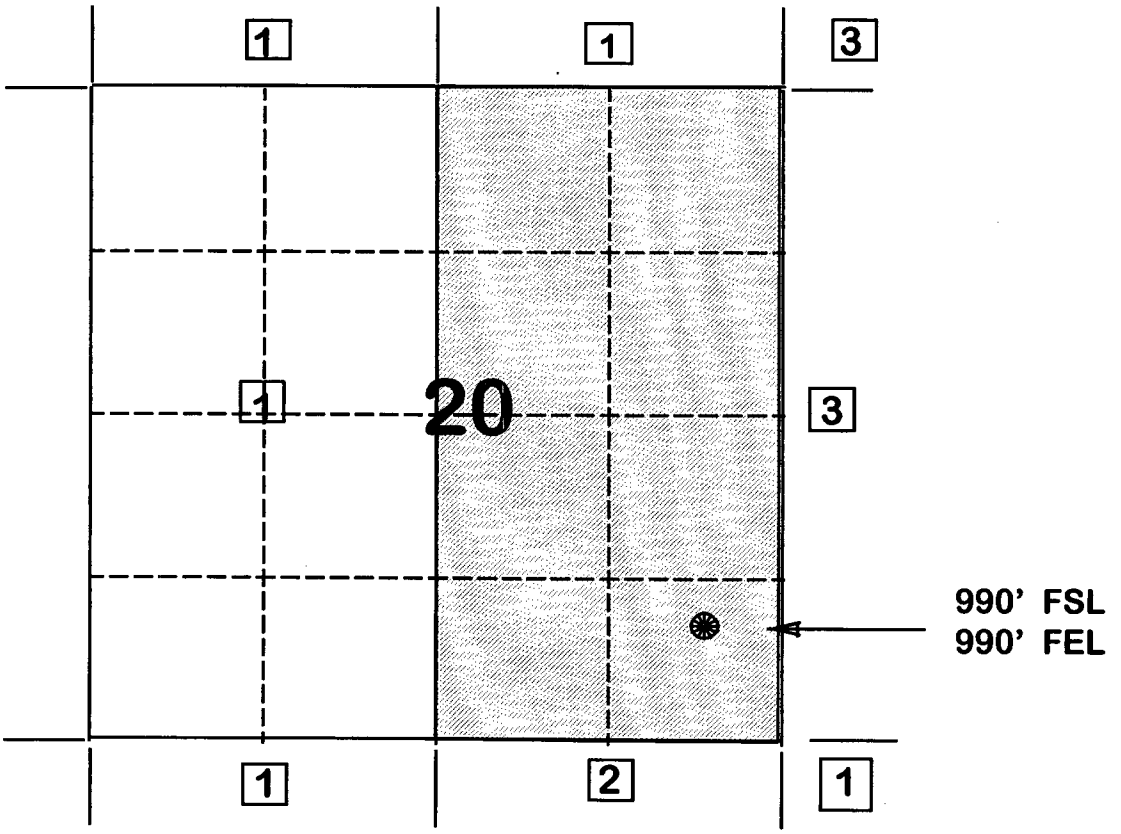
QUINN #6A DAKOTA - (CURRENT)

BURLINGTON RESOURCES OIL AND GAS COMPANY

Quinn #6A
OFFSET OPERATOR \ OWNER PLAT

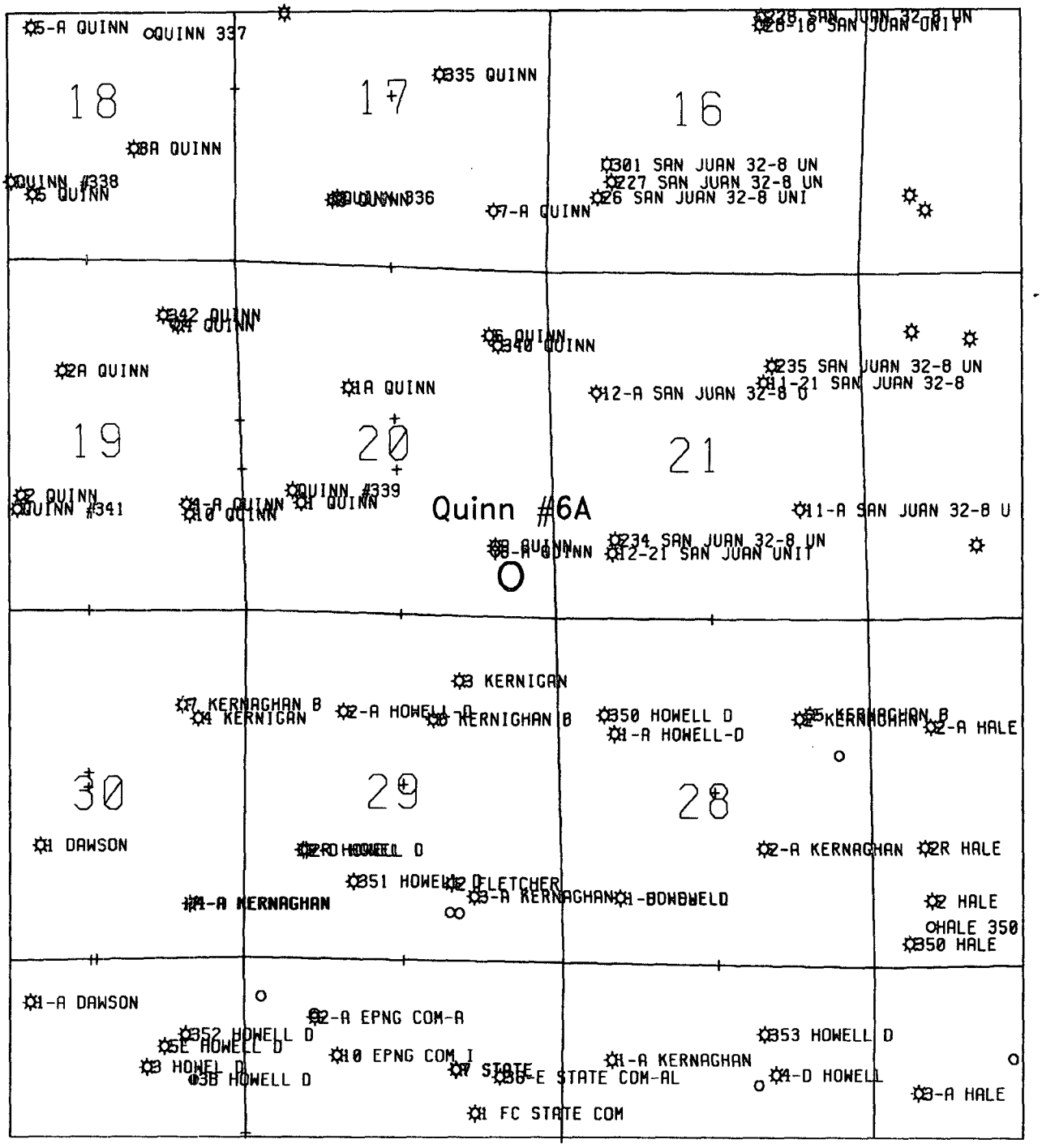
Mesaverde / Dakota Formations Commingle Well

Township 31 North, Range 8 West



1) Burlington Resources
2) Amoco Production Co.
   c/o Bruce Zimney
   P.O. Box 800
   Denver, CO 80201

3) Phillips Petroleum Co.
   5525 Hwy. 64, NBU 3004
   Farmington, NM 87401



Quinn #6A

P Sec 20 T31N, R08W

MV /DK